



THE MODULE HANDBOOK

FACULTY OF BIOLOGY

Biogeography

Module code	BIC 30303IUP
Module level	2 nd year of Undergraduate Program in Biology
Abbreviation, if applicable	-
Sub-heading, if applicable	-
Courses included in the module, if applicable	-
Semester/term	even
Module coordinator(s)	Prof. Dr. Tjut Sugandawaty Djohan, M.Sc
Lecture(s)	Siti Nurleily Marlina, S.Si., M.Sc., Ph.D.
Language	English
Classification within the Curriculum	Elective course
Teaching format/class hours per week during the semester	This course is organised into 2 parallel classes and planned to have 14 teaching weeks and 2 weeks of examination, and one meeting per week with time allocation of 100 minutes.
Workload	Estimated working hour: 7 hours/week.
Credit points	2-0credits
Requirements	Ecology (BIB 20302IUP)
Learning goals/competencies	<ol style="list-style-type: none">1. Knowledge and understanding<ol style="list-style-type: none">a. Fundamental characteristics and processes in the biophysical system.b. Interactions between biophysical landscape and human within the environment.c. Geographical and environmental changes in various temporal and spatial scales, and their effects on the distribution of organisms.2. Ability/intellectual skill<ol style="list-style-type: none">a. Working in a team.b. Preparing a scientific report.c. Researching biogeographical information.d. Analyzing and predicting changes in spatial and temporal distributions of organisms.e. Identifying, analyzing, and interpreting spatial relationship and patterns in the natural system.3. Attitude<ol style="list-style-type: none">a. Sensitivity towards the impact of environmental-



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	<p>related crises.</p> <ol style="list-style-type: none">b. Inquisitiveness in biogeographical research.c. Respect for the ideas and opinions of others.
Content	<p>Biogeography is the study of spatial patterns and causes of biodiversity on the Earth's surface, both in the present and past. It concerns with processes of evolution, extinction, and dispersal.</p> <p>Experts in biogeography synthesize information from a variety of disciplines, including ecology, evolution, paleontology, and climatology. This course will cover historical biogeography and ecological biogeography, in which the historical background of the field of biogeography and ecology foundation necessary to understand the distribution and abundance of species and changes over time will be explained.</p> <p>This lecture will also explore the relevance of biogeography in the modern era, at a time when human activities and climate change is increasing the impact on our Earth.</p>
Study/exam achievements	<ol style="list-style-type: none">1. Midterm: 30%2. Final examination: 30%3. Assignment: 10%4. Group presentation: 20%5. Quiz: 10 %
Forms of media	White board, LCD
Literature	Lomolino, MV, BR Riddle, RJ Whittaker, JH Brown. 2010. Biogeography - 4 th edition. Sinauer Associates, Inc.